

CRASH RELIEF PEDAL ASSEMBLY

ABSTRACT OF THE DISCLOSURE

5 A fluid relief device (40) is responsive to a sensor (38) for relieving the hydraulic fluid pressure in hydraulic line (30) in response to the crash conditions. A fuseable link (52) abuts the distal end of a shaft (46) and holds the piston (42) in the normal operating position until a crash where the fuseable link (52) is consumed or removed to allow movement of the shaft (46) and the piston (42) to the accumulator 10 position to relieve pressure in the hydraulic system. A resilient curved leaf spring member (60) reacts between the cross beam (16) and the pedal arm (20) in the event of rearward movement of the pedal arm (20) out of the normal operating range due to a crash to limit movement of the pedal arm (20) toward the operator space. The resilient spring (60) and the fluid relief device (40) are reusable.

PRELIMINARY CLASSIFICATION: 74/512